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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,334	08/22/2003	Gary R. Holt	10006.001410	8286
31894	7590	09/20/2006	EXAMINER	
OKAMOTO & BENEDICTO, LLP P.O. BOX 641330 SAN JOSE, CA 95164			YENKE, BRIAN P	
			ART UNIT	PAPER NUMBER
			2622	

DATE MAILED: 09/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



## DETAILED ACTION

### *Election/Restrictions*

1. Applicant's election without traverse of claims 13-17 in the reply filed on 07 July 2006 is acknowledged, whereas claim 1 was cancelled based upon a 101 rejection.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over DeHann et al, US 6,937,655 in view of Dorricott et al., US 5,329,309.

In considering claims 2-5 and 10-12,

DeHann discloses a system which performs segmentation and objection motion estimation between fields/frames of an incoming video sequence wherein the sequence is interlaced and the output is interlaced. DeHann discloses that an intermediate frame/interpolated frame is generated based upon the subsampling of the incoming fields/frames (Figs 1-3 and description).

However, DeHann does not explicitly recite receiving a progressive signal. The reception of a progressive signal which is later converted into interlaced, or no conversion based

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of course on the display/user requirements is conventional practice in the art. The examiner evidences such practice by incorporating Dorricott which discloses the concept of receiving anyone of a multitude of video signals (including interlaced and progressive) wherein the system may convert the signals into any one of a desired outputs (including interlaced and progressive as shown (Figs 66-70)).

Therefore it would have been obvious to one of ordinary skill in the art to modify DeHann which discloses the object estimation/segmentation of incoming interlaced signal, to also estimation/segment progressive sources if received, in order to provide the user the conventional capability of receiving a variety of inputs and providing the user the ability to convert the signal as desired.

In considering claims 6-9,

DeHann discloses segmenting the incoming images based upon the objects included in the fields/frames, wherein the areas that are exposed or filled in are based upon the presence of the objects in one or more of the frames/fields.

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure—see newly cited references on attached form PTO-892.

The examiner has also included the MPEG-4 protocol which is an object based segmentation motion detection algorithm. The examiner requests the applicant to clarify the differences between MPEG-4 and the current application, in order to expedite prosecution.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Yenke whose telephone number is (571)272-7359. The examiner work schedule is Monday-Thursday, 0730-1830 hrs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, David L. Ometz, can be reached at (571)272-7593.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**(571)-273-8300**

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is

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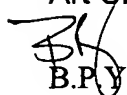
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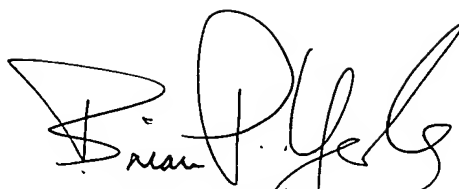
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B.P.Y.

15 September 2006

  
BRIAN P. YENKE  
PRIMARY EXAMINER